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Frank C. Eisenschenk, Ph.D., Patent Attorney

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR 1.322
Docket No. C.R.107

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	:	Richard Joseph Fagan, Christopher Benjamin Phelps, Christine Power, Richard James Mitter, Ursula Boschert, Yolande Chvatchko
Issued	:	July 7, 2009
Patent No.	:	7,557,079
Conf. No.	:	5016
For	:	Metalloprotease Proteins

Mail Stop Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION
UNDER 37 CFR 1.322 (OFFICE MISTAKE)

Sir:

A Certificate of Correction for the above-identified patent has been prepared and is attached hereto.

In the left-hand column below is the column and line number where errors occurred in the patent. In the right-hand column is the page and line number in the application where the correct information appears.

Patent Reads:	**Application Reads:**
Column 35, line 45:	Page 51, lines 1-2:
"(PCRII TOPO)"	--(pCRII TOPO)--

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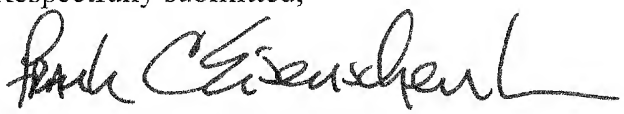
Column 36, line 2:	Page 51, line 18:
"and 72° C, for 1 cycle"	--and 72° for 1 min); 1 cycle--.

A true and correct copy of page 51 of the specification as filed which support Applicants' assertion of the errors on the part of the Patent Office accompanies this Certificate of Correction.

Approval of the Certificate of Correction is respectfully requested.

Respectfully submitted,



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FCE/jb

Attachment: Copy of page 51 of the specification

PCR products were subcloned into the topoisomerase I modified cloning vector (pCRII TOPO) using the TA cloning kit purchased from the Invitrogen Corporation using the conditions specified by the manufacturer. Briefly, 4 µl of gel purified PCR product from the human library pool N amplification was incubated for 15 min at room temperature with 1 µl of TOPO vector and 1 µl salt solution. The reaction mixture was then transformed into *E. coli* strain TOP10 (Invitrogen) as follows: a 50 µl aliquot of One Shot TOP10 cells was thawed on ice and 2 µl of TOPO reaction was added. The mixture was incubated for 15 min on ice and then heat shocked by incubation at 42^{0}C for exactly 30s. Samples were returned to ice and 250µl of warm SOC media (room temperature) was added. Samples were incubated with shaking (220 rpm) for 1 h at 37^{0}C. The transformation mixture was then plated on L-broth (LB) plates containing ampicillin (100 µg/ml) and incubated overnight at 37^{0}C. Ampicillin resistant colonies containing cDNA inserts were identified by colony PCR.

1.6 Colony PCR

Colonies were inoculated into 50 µl sterile water using a sterile toothpick. A 10 µl aliquot of the inoculum was then subjected to PCR in a total reaction volume of 20 µl as described above, except the primers used were SP6 and T7. The cycling conditions were as follows: 94°C, 2 min; 30 cycles of 94°C, 30 sec, 47°C, 30 sec and 72°C for 1 min); 1 cycle, 72°C, 7 min. Samples were then maintained at 4°C (holding cycle) before further analysis.

PCR reaction products were analyzed on 1 % agarose gels in 1 X TAE buffer. Colonies which gave the expected PCR product size (248 bp cDNA + 185 bp due to the multiple cloning site or MCS) were grown up overnight at 37^{0}C in 5 ml L-Broth (LB) containing ampicillin (100 µg /ml), with shaking at 220 rpm at 37^{0}C.

1.7 Plasmid DNA preparation and Sequencing

Miniprep plasmid DNA was prepared from 5 ml cultures using a Qiaprep Turbo 9600 robotic system (Qiagen) or Wizard Plus SV Minipreps kit (Promega cat. no. 1460) according to the manufacturer's instructions. Plasmid DNA was eluted in 100 µl of sterile water. The DNA concentration was measured using an Eppendorf BO photometer. Plasmid DNA (200-500 ng) was subjected to DNA sequencing with T7 primer and SP6 primer using the BigDyeTerminator system (Applied Biosystems cat. no. 4390246) according to

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CERTIFICATE OF CORRECTION

PATENT NO. : 7,557,079

APPLICATION NO.: 10/539,847

DATED : July 7, 2009

INVENTOR : Richard Joseph Fagan, Christopher Benjamin Phelps, Christine Power, Richard James Mitter, Ursula Boschert, Yolande Chvatchko

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 35,
Line 45, "(PCRII TOPO)" should read --(pCRII TOPO)--.

Column 36,
Line 2, "and 72° C, for 1 cycle" should read --and 72° C for 1 min); 1 cycle--.

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